

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Application of: Royer et al.  
Serial Number: 10/651,444  
Filed: August 30, 2003  
For: MAR 19 2004  
THERMOPLASTIC FIBERS EXHIBITING DURABLE HIGH  
COLOR STRENGTH CHARACTERISTICS  
Group 1774  
Examiner: Not Assigned Yet

Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450

Sir:

**INFORMATION DISCLOSURE STATEMENT**

Applicant hereby submits this Information Disclosure Statement filed according to the provisions of 37 CFR §1.97 and §1.98. Enclosed herewith is Form PTO-1449 (Modified) which lists various references (copies enclosed) submitted by Applicant for consideration.

References for which copies already have been provided in a previous parent application to which this application claims priority pursuant to 37 CFR §1.98 (d) need not be submitted, and are indicated by an asterisk. Copies of US patent references also are not enclosed, due to the rule change regarding submitting US patent references.

The Examiner is requested to review each of the references, indicate that the references were reviewed by initialing and returning a copy of the initialed Form to Applicant.

This information disclosure statement is being submitted within three months of the filing date of the application, within three months of the date of entry of the national stage, in connection with a newly filed RCE, or prior to the mailing date of a first Office Action on the merits.

**Certificate of Mailing Under 37 CFR § 1.8**  
I hereby certify that this correspondence, and all correspondence referenced herein as being enclosed with this correspondence, is being deposited with the United States Postal Service in an envelope addressed to "Commissioner for Patents, PO Box 1450, Alexandria VA 22313-1450" with sufficient postage on the following

date: 4 March 16, 2004  
Signature: Kerry A. Lawter  
Name: Kerry A. Lawter

Serial No.: 10/651,444  
Inventor(s): Royer et al.

U.S. PTO Customer No. 25280  
Case No.: 5680

However, even if none of the three conditions above apply, the Examiner is requested to consider this Information Disclosure Statement under 37 CFR §1.97(c)(2) and the Commissioner is hereby authorized to withdraw the fee set forth in 37 CFR §1.17(p) from Deposit Account 04-0500.

Respectfully Submitted,



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Form PTO-1449 (Modified)

Serial No.: 10/651,444

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INFORMATION DISCLOSURE STATEMENT  
IN A PATENT APPLICATIONSheet 1 of 3.

Inventor(s): Royer et al.

Group Art Unit: 1774

Examiner: Unknown

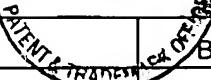
US PTO Customer No: 25280

Case No.: 5680

## U.S. PATENT DOCUMENTS

| EXAMINER INITIALS | IDENTIFIER | DOCUMENT NUMBER | DATE     | NAME             | CLASS | SUB-CLASS |
|-------------------|------------|-----------------|----------|------------------|-------|-----------|
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|                   | AE         | 6,162,887       | 12/19/00 | Yamada et al.    | 526   | 351       |
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|                   | BB         | 4,560,734       | 12/24/85 | Fujishita et al. | 526   | 142       |

MAR 19 2004



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|  | BC | 6,203,881 | 3/20/01  | Higgins        | 428 | 95    |
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|  | BL | 4,132,817 | 1/2/79   | Tillotson      | 427 | 244   |
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|  | BN | 4,116,626 | 9/26/78  | Varner         | 4   | 149   |
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|  |    |           |          |                |     |       |

Examiner:

Date Considered:

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

| Form PTO-1449 (Modified)                                    |            | Serial No.: 10/651,444   | Filing Date: August 30, 2003 |
|---|------------|--|------------------------------|
| INFORMATION DISCLOSURE STATEMENT<br>IN A PATENT APPLICATION |            | Inventor(s): Royer et al.  |                              |
|   |            | Group Art Unit: 1774   | Examiner: Unknown            |
| Sheet <u>2</u> of <u>3</u> .                                |            | US PTO Customer No: 25280  | Case No.: 5680               |
| <b>OTHER DOCUMENTS</b>                                      |            |  |                              |
| EXAMINER INITIALS   | IDENTIFIER | INCLUDE: AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.  |                              |
|   | BX         | Patent abstracts of Japan; publication number 11-061554; date of publication of application 05.03.1999; Highly heat-resistant polypropylene fiber; English translation   |                              |
|   | BY         | Patent abstracts of Japan; publication number 11-181619; date of publication of application 06.07.1999; Highly heat-resistant polypropylene fiber and fiber-reinforced cement molded product using the same; English translation |                              |
|   | BZ         | Patent abstracts of Japan; publication number 2001-081628; date of publication 27.03.2001; Flat yarn for base cloth of needle-punched carpet; English translation  |                              |
|   | CA         | Patent abstracts of Japan; publication number 2002-302825; date of publication 18.10.2002; Highly-resistant polypropylene fibers; English translation  |                              |
|   | CB         | Article; Journal of applied polymer science, vol. 62, 1965-1975 (1996) John Wiley & Sons, Inc.; Spruiell et al.  |                              |
|   | CD         | Article; The effects of pigments on the development of structure and properties of polypropylene filaments; Antec '91; Lin et al.  |                              |
|   | CE         | Article; The role of crystallization kinetics in the development of the structure and properties of polypropylene filaments; © 1993 John Wiley & Sons, Inc.; CCC 0021-8995/93/040623-9   |                              |
|   | CF         | Article; Study on the formation of b-crystalline from isotactic polypropylene fiber; fiber and films, Intern. Polymer Processing VI, 1991; Chen et al.   |                              |
|   | CG         | Article; Heterogeneous Nucleation of Polypropylene and Polypropylene Fibers; Marcincin et al.; 1994  |                              |
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|   |            |  |                              |
| Examiner:   |            | Date Considered:   |                              |

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